

CLAIMS

What is claimed is:

1. A roof shingle comprising:
a shingle with at least one layer having a head lap and a butt, the head lap including at least one alignment notch and the butt including at least one corner that corresponds to the alignment notch.
2. The roof shingle as in claim 1 wherein said at least one alignment notch has a square shape and the at least one corner is angled to correspond to a side of the alignment notch.
3. The roof shingle as in claim 1 wherein said at least one alignment notch has a triangular shape and the at least one corner is angled to correspond to a side of the triangle.
4. A roof shingle as in claim 1 wherein the shingle comprises an anterior layer and a posterior layer.
5. A roof shingle as in claim 4 wherein the anterior layer includes the at least one alignment notch and the posterior layer includes the at least one corner corresponding to the alignment notch.

6. A roof shingle as in claim 1 wherein the shingle comprises an anterior layer, a middle layer, and a posterior layer.
7. A roof shingle as in claim 6 wherein the anterior layer includes the at least one alignment notch and the posterior layer includes the at least one corner corresponding to the alignment notch.
8. A two-layer composite roofing shingle comprising:
 - a posterior layer having a posterior headlap and a plurality of posterior tabs; and
 - an anterior layer, positioned on said posterior layer, having an anterior headlap including at least one alignment notch and at least one anterior tab extending from said anterior headlap, said at least one anterior tab is positioned on said plurality of posterior tabs.
9. The two-layer composite roofing shingle of Claim 8 wherein said at least one alignment notch has a triangular shape.
10. The two-layer composite shingle of Claim 8 wherein said plurality of posterior tabs equals four posterior tabs.
11. The two-layer composite shingle of Claim 8 wherein said at least one anterior tab has a first breadth and said plurality of posterior tabs have a second breadth, said second breadth is greater than said first breadth.

12. The two-layer composite shingle of Claim 8 wherein said at least one anterior tab further comprises granules having a first shade and said plurality of posterior tabs further comprise granules of a second shade.
13. The two-layer composite shingle of Claim 12 wherein said posterior layer further comprises a shadow band positioned at an interface between said plurality of posterior tabs and said posterior headlap, said plurality of posterior tabs further comprise a shadow tip positioned on a lower edge of said plurality of posterior tabs, said shadow tip and said shadow band include granules having a third shade that is darker than said first shade of said at least one anterior tab and said second shade of said plurality of posterior tabs.
14. The two-layer composite shingle of Claim 8 wherein said plurality of posterior tabs further comprise a shadow tip positioned on a lower edge of said plurality of posterior tabs.
15. The two-layer composite shingle of Claim 8 wherein said posterior layer further comprises a shadow band positioned at an interface between said posterior headlap and said plurality of posterior tabs.
16. The two-layer composite shingle of Claim 8 wherein said plurality of posterior tabs extend beyond said at least one anterior tab.

17. The two-layer composite shingle of Claim 8 wherein said anterior headlap extends beyond said posterior headlap.
18. The two-layer composite shingle of Claim 8 wherein said plurality of posterior tabs extend beyond said at least one anterior tab.
19. The two-layer composite shingle of Claim 8 wherein an anterior headlap edge aligns to a posterior headlap edge.
20. The two-layer composite shingle of Claim 8 wherein said plurality of posterior tabs extend beyond said at least one anterior tab.
21. The two-layer composite shingle of Claim 8 wherein said posterior headlap extends beyond said anterior headlap.
22. The two-layer composite shingle of Claim 8 wherein said at least one anterior tab equals two anterior tabs.
23. The two-layer composite shingle of Claim 8 wherein said at least one anterior tab equals three anterior tabs.
24. The two-layer composite shingle of Claim 8 wherein said plurality of posterior tabs are separated by about 1.0 inch or less.

25. The two-layer composite shingle of Claim 8 wherein said at least one anterior tab has a corner that corresponds to said at least one alignment notch.
26. The two-layer composite shingle of Claim 8 wherein said plurality of said posterior tabs have corners that correspond to the at least one alignment notch.
27. The two-layer composite shingle of Claim 8 wherein said at least one anterior tab is positioned substantially centered on said plurality of posterior tabs.
28. The two-layer composite shingle of Claim 8 wherein said at least one anterior tab is positioned offset from said plurality of posterior tabs.
29. A roofing shingle comprising:
at least one layer formed from a cutting cylinder having a circumference that is a fraction of said roofing shingle length.
30. A roofing shingle as in claim 29 wherein the shingle comprises an anterior layer and a posterior layer.
31. A roofing shingle as in claim 30 wherein the anterior layer is formed from said cutting cylinder having a circumference that is a fraction of its length.

32. A roof shingle as in claim 30 wherein the shingle comprises an anterior layer, a middle layer, and a posterior layer.

33. A roof shingle as in claim 32 wherein the anterior layer is formed from said cutting cylinder having a circumference that is a fraction of its length.

34. A two-layer composite roofing shingle comprising:

 a posterior layer; and
 an anterior layer formed from a cutting cylinder having a circumference that is a fraction of said two layer composite roofing shingle length positioned on said posterior layer.

35. A two-layer composite roofing shingle comprising:

 a posterior layer having a posterior head lap and butt and;
 an anterior layer formed from a cutting cylinder having a circumference that is a fraction of said two layer composite roofing shingle length, positioned on said posterior layer, having an anterior head lap including at least one alignment notch.

36. A method of fabricating a roofing shingle comprising the steps of:

 providing an asphalt coated sheet;

cutting said asphalt coated sheet by rotating a cutting cylinder to produce a shingle, wherein said cutting cylinder circumference is a fraction of said shingle length.

37. The method of Claim 36 wherein said shingle further comprises at least one alignment notch and at least one corner corresponding to said at least one alignment notch.

38. A method of fabricating a two-layer composite shingle comprising the steps of:

providing an asphalt coated sheet;

cutting said asphalt coated sheet by rotating a cutting cylinder to produce an anterior layer, wherein said cutting cylinder circumference is a fraction of said two-layer composite shingle length;

cutting another asphalt coated sheet by rotating a second cutting cylinder to produce a posterior layer; and

joining said anterior layer to said posterior layer to form said two-layer composite shingle.

39. The method of Claim 38 wherein said anterior layer further comprises at least one alignment notch and the posterior layer further comprises at least one corner corresponding to said at least one alignment notch..

40. A method of fabricating a three-layer composite shingle comprising the steps of:

providing a first asphalt coated sheet;

cutting said first asphalt coated sheet by rotating a cutting cylinder to produce an anterior layer, wherein said cutting cylinder circumference is a fraction of said three-layer composite shingle length;

cutting a second asphalt coated sheet by rotating a second cutting cylinder to produce a middle layer;

cutting a third asphalt coated sheet by rotating a third cutting cylinder to produce a posterior layer; and

joining said layers to form said three-layer composite shingle.

41. The method of Claim 40 wherein said anterior layer further comprises at least one alignment notch and the posterior layer comprises at least one corner corresponding to said at least one alignment notch.

42. The method of Claim 40 wherein said anterior layer further comprises at least one alignment notch and the middle layer comprises at least one corner corresponding to said at least one alignment notch.

43. The method of Claim 40 wherein said middle layer further comprises at least one alignment notch and the posterior layer comprises at least one corner corresponding to said at least one alignment notch.

44. The method of Claim 40 wherein said middle layer further comprises an alignment notch and at least one corner corresponding to said at least one alignment notch.

45. A method of fabricating a three-layer composite shingle comprising the steps of:

providing a first asphalt coated sheet;

cutting said first asphalt coated sheet by rotating a cutting cylinder to produce an anterior layer;

cutting a second asphalt coated sheet by rotating a second cutting cylinder to produce a middle layer, wherein said cutting cylinder circumference is a fraction of said three-layer composite shingle length;

cutting a third asphalt coated sheet by rotating a third cutting cylinder to produce a posterior layer; and

joining said layers to form said three-layer composite shingle.

46. The method of Claim 45 wherein said anterior layer further comprises at least one alignment notch and the posterior layer comprises at least one corner corresponding to said at least one alignment notch.

47. The method of Claim 45 wherein said anterior layer further comprises at least one alignment notch and the middle layer comprises at least one corner corresponding to said at least one alignment notch.

48. The method of Claim 45 wherein said middle layer further comprises at least one alignment notch and the posterior layer comprises at least one corner corresponding to said at least one alignment notch.

49. The method of Claim 45 wherein said middle layer further comprises an alignment notch and at least one corner corresponding to said at least one alignment notch.

50. A method of installing a two-layer composite roofing shingle comprising:

- a) affixing a course of two-layer composite shingles to a portion of a roofing area; each of said two-layer composite shingles comprises a posterior layer having a plurality of posterior tabs extending from a posterior headlap, said plurality of posterior tabs have at least one cut corner and an anterior layer having an anterior headlap which includes at least one alignment notch corresponding to said at least one cut corner and at least one anterior tab;
- b) affixing another course of said two-layer composite shingles to a remaining portion of said roofing area and on a portion of a previously shingled roofing area having said two-layer composite shingles, said cut corners of said two-layer composite shingles of said other course aligns to said alignment notch of said two-layer composite shingles in said previously shingled portion of said roofing area; and
- c) repeating step b) N times until said roofing area is covered with said two-layer composite shingles.

51. The method of Claim 50 wherein said anterior layer of said two-layer composite shingle is formed from a cutting cylinder having a circumference that is a fraction of said two-layer composite roofing shingle length.

52. A two-layer composite roofing shingle comprising:

a posterior layer having a posterior headlap and a plurality of posterior tabs; and

an anterior layer formed from a cutting cylinder having a circumference that is a fraction of said two-layer composite roofing shingle length, positioned on said posterior layer, having an anterior headlap including at least one alignment notch and at least one anterior tab extending from said anterior headlap, said at least one anterior tab is positioned on said plurality of posterior tabs.